

AMENDMENTS TO THE CLAIMS

Claims 1-2, 3-4, and 8-12 were previously pending. Please add new claims 14-21 and amend claims 1, 5, 10, 11, and 12 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A scan type display optical system comprising:
 - an optical scanning device which includes a mirror that is rotated ~~rotates~~ to deflect and scan light;
 - a mechanism which supports and rotates the optical scanning device; and
 - a projection optical system which has a plurality of optical surfaces including a reflective surface and projects the light from ~~deflected and scanned by~~ the optical scanning device,wherein an incidence range of the deflected and scanned light to a first optical surface on which the deflected and scanned light is incident initially out of the plurality of optical surfaces is variable by rotating the optical scanning device through the mechanism.
2. (original) The scan type display optical system according to claim 1, wherein the position on a projection surface of an image formed by projection light from the projection optical system is changed by varying the incidence range of the light to the first optical surface.

3. (canceled)
4. (original) The scan type display optical system according to claim 1, wherein the incidence range of the light to the first optical surface is changed by rotating an optical member constituting the scan type display optical system around an entrance pupil of the projection optical system.
5. (currently amended) A scan type display optical system, comprising:
 - an optical scanning device which includes a mirror that is rotated ~~rotates~~ to deflect and scan light;
 - a mechanism which supports and rotates the optical scanning device; and
 - a projection optical system which has a plurality of optical surfaces and projects the light from ~~deflected and scanned by~~ the optical scanning device,wherein the projection range of the deflected and scanned light projected from the projection optical system is changed by rotating the optical scanning device through the mechanism.
- 6.-7. (canceled)
8. (original) The scan type display optical system according to claim 1, wherein the projection optical system includes a reflective surface having curvature.
9. (original) The scan type display optical system according to claim 8, wherein the reflective surface has a rotational asymmetric aspheric shape.

10. (currently amended) The scan type display optical system according to claim 1, further comprising[[,]] a second optical scanning device,

wherein the optical scanning device deflects and scans light in a first direction, and

the second optical scanning device scans the deflected and scanned light in a

second direction orthogonal to the first direction.
11. (currently amended) A scan type image display apparatus comprising:

the scan type display optical system according to claim 1;

a modulation device which guides a light source which emits light, modulated in

accordance with an image signal, to the mirror.
12. (currently amended) A scan type image display apparatus comprising:

the scan type display optical system according to claim 5 [[4]]; and

a modulation device which guides a light source which emits light, modulated in

accordance with an image signal, to the mirror; ~~and~~

~~a controller which sequentially switches the rotational position of the optical member~~

~~to form an image at a plurality of positions on the projection surface.~~
13. (canceled)
14. (new) A scan type image display apparatus comprising:

the scan type display optical system according to claim 5;

- a modulation device which guides light, modulated in accordance with an image signal, to the mirror; and
 - a controller which rotates the optical scanning device through the mechanism based on a signal for changing the projection range.
15. (new) A scan type display optical system comprising:
- a mirror which reflects an incident light;
 - a device which rotates the mirror; and
 - a mechanism which rotates the device.
16. (new) A scan type image display apparatus comprising:
- the scan type display optical system according to claim 15; and
 - a modulation device which guides light, modulated in accordance with an image signal, to the mirror.
17. (new) A scan type display optical system which projects two dimensional image to a projected surface, comprising:
- a projection optical system which has a plurality of reflective surfaces;
 - a mirror which reflects an incident light to guide the light to the projection optical system;
 - a device which rotates the mirror; and
 - a mechanism which rotates the device,

wherein the two dimensional image is projected to the projected surface by rotating the mirror and scanning the incident light, and

wherein the position of the two dimensional image on the projected surface is shifted by rotating the device.

18. (new) A scan type image display apparatus comprising:

the scan type display optical system according to claim 17; and

a modulation device which guides the light, modulated in accordance with an image signal, to the mirror.

19. (new) A display optical system which projects two dimensional image to a projected surface, comprising:

a mirror which reflects an incident light;

a projection optical system which has a plurality of reflective surfaces and guides the light from the mirror to the projected surface to form the two dimensional image on the projected surface; and

a mechanism which rotates the mirror,

wherein the position of the two dimensional image on the projected image is shifted by rotating the mirror through the mechanism.

20. (new) The display optical system according to claim 19, further comprising a light guiding optical system which guides light to the mirror,
wherein the mirror is arranged on the exit pupil position of the light guiding optical system.
21. (new) A scan type image display apparatus comprising:
the display optical system according to claim 19;
a modulation device which guides light, modulated in accordance with an image signal, to the mirror.